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IR impurity absorption in GeS2-In2S3-AgI chalcohalide glasses

Kavetskyy T., Pavlyukh N., Tsmots V., Wang W., Ren J., Chen G., Stepanov A.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

IR absorption spectra of (80-x)GeS2-20In2S 3-xAgI (GIS-AgI) chalcohalide glasses with x=15 and 20 mol% are studied in the 4,000-400 cm-1 region. The effect of the AgI content on the measured IR bands connected with O-, H- and C-based absorbed impurities is analysed. © 2011 Springer Science+Business Media B.V.

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Keywords

Chalcohalide glasses, GeS2-In2S3-AgI system, IR impurity absorption, Optical properties